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SERIAL NO. INFORMATION DISCLOSURE CIT ATTY. DOCKET NO. 10/796,217 50277-2328 IN AN APPLICATION APPLICANT: (PTO-1449) Abhinav Gupta et al. GROUP: FILING DATE: March 8, 2004 2171 U.S. PATENT DOCUMENTS U.S. Patent Document Name of Patentee or Applicant Date of Publication of Pages, Columns, Exam. Cite No.1 Cited Document Lines, Where of Cited Document Initial* Kind Code² MM-DD-YYYY Relevant (If known) Passages or Relevant Figures Appear 5,557,791 09-17-1996 RS Cheng et al. RS 08-29-2000 6,112,198 Lohman et al.

FOREIGN PATENT DOCUMENTS								
Exam.	Cite	Foreign Patent Document		Document	Name of Patentee or Applicant	Date of	Pages,	76
Initial*	No.1	Office ³	Number ⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

James P. Rogers

05-28-2002

6,397,214

RS

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OTHER ART - NO PATENT LITERATURE DOCUMENTS					
Examiner Initials* Cite No! Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			Translation ²		
RS		International Search Report and Written Opinion from PCT Patent Application No. PCT/US2004/027406 (13 pgs.) 12/13/2004			
RS		Current Claims in PCT Patent Application No. PCT/US2004/027406 (8 pgs)			
RS		Witkowski, A., et al. "Spreadsheets in RDBMS for OLAP" Proceedings of the ACM SIGMOD 2003 Conference, 9 June 2003 (2003-06-09), pp. 52-63			

	Examiner	/Robert Stevens/ Date	Considered 09/21/2006
l	Signature		

^{*}EXAMINER: Initial if reference considered, whether or not clustion is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		n 1449A/PTO (Modified) heets as necessary)	Attorney Docket No.: Application Number: 10/796,217			
			First Named Inventor: Abhinav Gupta Filing Date: March 8, 2004			
		OTHER ART - NO PATENT	LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LET item (book, magazine, journal, serial, symposi publisher, city and	TERS), title of the article (when appropum, catalog, etc.), date, page(s), volume Vor country where published	riate), title of the issue number(s),	Translation ²	
RS		Gupta, A., et al. "Data Densification Proceedings of the ACM SIGMOD 13), entire document	n in a Relational Database Sys 2004 Conference, 13 June 200	tem" 4 (2004-06-		
RS		Graefe, G. "Query Evaluation Tech COMPUTING SURVEYS USA, Vo pp. 73-170	ol. 25, no. 2, June 1993 (1993-	06),		
RS		Chaudhuri, S., et al. "An Overview Of Data Warehousing And OLAP Technology" SIGMOD RECORD, SIGMOD, New York, NY, US, Vol. 26, no. 1, March 1997 (1997-03), pp. 65-74				
RS		Jaedicke, Michael, et al. "User-Defined Table Operators: Enhancing Extensibility for ORDBMS" Proceedings 25th VLDB Conference, Edinburgh, Scotland, 7 September 1999 (1999-09-07), pp. 494-505				
RS Proceedings of the 17th ACM S Principles of Database Systems Proceedings of the ACM SIGA			CT-SIGMOD-SIGART Symp DS 1998, Seattle, WA, June 1	osium on -3, 1998; m on		
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